

Air Bearing Casters for Heavy Load Movement

Air bearing casters are heavy-duty, omnidirectional devices that utilize a thin film of air to float heavy loads on smooth, non-porous surfaces. The near-frictionless movement provided by these casters allows for precise positioning and effortless maneuvering of heavy equipment and machinery.



Product Overview

Precision Load Movement

Air bearing casters are high-performance, omnidirectional devices designed to float heavy loads on a thin film of air. By utilizing compressed air as a power source, these systems achieve near-frictionless movement, allowing for precise positioning and easy maneuvering of delicate or heavy-duty equipment. They are an ideal solution for manufacturing, aerospace, and medical environments where traditional wheel-based systems are unsuitable.

Technical Specifications

Movement Characteristics

Omnidirectional • Near-Frictionless • High-Precision

Power Source

Compressed Air

Standard Module Configuration

4-Module Sets, 6-Module Sets

Applications

Suitable Industries

- Manufacturing
- Aerospace
- Medical Equipment Handling
- Cleanroom Environments

Ideal Load Types

- Heavy-duty equipment
- Awkwardly shaped machinery
- Delicate instrumentation